

INTEGRATED TREE ROOT AND STORM WATER SYSTEM

ABSTRACT OF THE DISCLOSURE

A structural cell system is disclosed for supporting hardscape areas in a way that enables tree root growth and accommodates filtering, retention, storage and infiltration of storm water while preventing hardscape damage. The system includes a plurality of structural cells capable of being positioned below a hardscape. The structural cells are designed to have openings that are sized to accept tree roots. The system has one or more permeable barriers around the structural cells with a way for water to flow into the plurality of structural cells flow out of the structural cells.